

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|---------------------------------|------------------|
| 1 | 1 | 5595930.PN. and (micro\$6) | USPAT | 2004/07/07 11:09 |
| - | 350 | 348/308.ccls. | USPAT | 2004/06/30 07:31 |
| - | 4 | lee-do-young.in. | USPAT | 2004/06/23 16:02 |
| - | 588 | 20010208.ad. | USPAT | 2004/06/23 15:44 |
| - | 54 | 20010208.ad. and Lee | USPAT | 2004/06/23 15:45 |
| - | 16 | 20010208.ad. and pixel | USPAT | 2004/06/23 15:46 |
| - | 16 | lee-do-young.in. | USPAT; US-PGPUB; EPO; JPO | 2004/06/23 16:02 |
| - | 490 | 348/308.ccls. | USPAT; US-PGPUB; EPO; JPO | 2004/06/23 16:04 |
| - | 45 | square near3 photodiode\$2 same area | USPAT; US-PGPUB; EPO; JPO | 2004/06/23 16:21 |
| - | 3 | ("4764682" "5168338" "5578815").PN. | USPAT | 2004/06/23 16:11 |
| - | 535 | anode SAME ground same cathode same photodiode | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 06:25 |
| - | 7 | anode SAME ground same cathode same photodiode same (transfer adj transistor) | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 07:02 |
| - | 3 | 60/182044 | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 08:01 |
| - | 19 | ("3866067" "3934161" "4363963" "4395736" "4499590" "4704633" "4839735" "4901129" "4908651" "5117292" "5227887" "5276521" "5317174" "5335015" "5341008" "5424223" "5471245" "5625210" "5712682").PN. | USPAT | 2004/06/24 07:42 |
| - | 19 | ("4333111" "4413284" "4484210" "4809075" "4908518" "4984047" "5051797" "5060245" "5115458" "5182623" "5202907" "5235196" "5235198" "5256891" "5306931" "5337340" "5359213" "5399889" "5471515").PN. | USPAT | 2004/06/24 07:51 |
| - | 15 | 5,898,168 | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 08:22 |
| - | 9 | 6,344,877 | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 08:22 |
| - | 1 | "5614744".PN. | USPAT | 2004/06/24 08:23 |
| - | 74 | 5614744.URPN. | USPAT | 2004/06/24 08:26 |
| - | 305 | square near3 photodiode\$2 | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 06:55 |
| - | 147 | "5625210" | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 08:49 |
| - | 1 | square adj image adj sensing adj area | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 08:50 |
| - | 1 | "5471515".PN. | USPAT | 2004/06/24 08:51 |
| - | 1 | "5323052".PN. | USPAT | 2004/06/24 08:55 |
| - | 1 | "5262871".PN. | USPAT | 2004/06/24 08:58 |
| - | 1 | "5369039".PN. | USPAT | 2004/06/24 08:59 |
| - | 32 | square adj image adj area | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 14:54 |
| - | 1 | "5541402".PN. | USPAT | 2004/06/24 09:04 |
| - | 1 | "5576763".PN. | USPAT | 2004/06/24 09:05 |
| - | 1 | "5757045".PN. | USPAT | 2004/06/24 09:05 |
| - | 1 | "5708263".PN. | USPAT | 2004/06/24 09:05 |
| - | 1 | "5689208".PN. | USPAT | 2004/06/24 09:05 |

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|---|-----|---|---------------------------------|------------------|
| - | 1 | "5625210".PN. | USPAT | 2004/06/24 09:05 |
| - | 1 | "4602289".PN. | USPAT | 2004/06/24 09:52 |
| - | 1 | "4012587".PN. | USPAT | 2004/06/24 09:53 |
| - | 1 | "4336556".PN. | USPAT | 2004/06/24 09:54 |
| - | 1 | "5144447".PN. | USPAT | 2004/06/24 09:56 |
| - | 1 | "6538693".PN. | USPAT | 2004/06/24 09:56 |
| - | 1 | "6566723".PN. | USPAT | 2004/06/24 09:57 |
| - | 7 | ("4651001" "5605847" "6184945" "6211553" "6335770" "6342935" "6344885").PN. | USPAT | 2004/06/24 09:59 |
| - | 0 | "932 320 A2" | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 12:19 |
| - | 1 | "932320 A2" | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 12:21 |
| - | 0 | 9920052.1 | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 12:20 |
| - | 0 | 99200052.1 | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 12:20 |
| - | 0 | "932 320 A2" | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 12:20 |
| - | 1 | "932302 A2" | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 12:34 |
| - | 0 | 6522356.pn. and micro\$5 | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 12:34 |
| - | 0 | 6522356.pn. and micro\$8 | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 12:34 |
| - | 0 | 6522356.pn. and (lens\$4) | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 12:56 |
| - | 1 | 6522356.pn. | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 12:58 |
| - | 1 | (6522356.pn. EP000932302A2) and scan\$7 | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 16:17 |
| - | 0 | (6522356.pn. EP000932302A2) and reset\$7 | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 16:17 |
| - | 0 | 6522356.pn. and reset\$7 | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 16:21 |
| - | 1 | 5898168.pn. | USPAT; US-PGPUB; EPO; JPO | 2004/06/24 16:21 |
| - | 12 | ("4392152" "5270573" "5313095" "5397905" "5459350" "5479050" "5491360" "5563441" "5598038" "5661342" "5704593" "5767573").PN. | USPAT | 2004/06/28 09:47 |
| - | 0 | photodiode\$2 and "sides near7 positioned" | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 11:16 |
| - | 0 | CMOS and "sides near7 positioned" | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 11:16 |
| - | 574 | CMOS and (sides near7 positioned) | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 11:16 |

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| - | 75 | CMOS and (sides near7 positioned) and photodiode | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 11:16 |
| - | 53 | CMOS and (sides near7 positioned) and photodiode and transistor\$2 | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 11:31 |
| - | 22 | ("5471515" "5587596" "5608243" "5625210" "5631704" "5721425" "5760458" "5789774" "5838650" "5841159" "5841176" "5847422" "5859450" "5892253" "5970316" "5995163" "6005619" "6008486" "6051447" "6160281" "6160282" "6259124").PN. | USPAT | 2004/06/28 11:19 |
| - | 3 | CMOS and photodiode and transistor\$2 adj layout | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 11:32 |
| - | 186 | crosstalk and MTF | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 11:32 |
| - | 38 | (US-6522356-\$ or US-6753912-\$ or US-6654057-\$ or US-6650369-\$ or US-5796481-\$ or US-6707497-\$ or US-6197503-\$ or US-5119183-\$ or US-5519497-\$ or US-4594514-\$ or US-4697280-\$ or US-4080723-\$ or US-4764682-\$ or US-5625210-\$ or US-6097022-\$ or US-5471515-\$ or US-5614744-\$ or US-6002123-\$ or US-6309075-\$ or US-5904493-\$ or US-4602289-\$ or US-6211553-\$ or US-6184945-\$ or US-6242801-\$ or US-6124595-\$ or US-6084669-\$).did. or (US-6069651-\$ or US-6066846-\$ or US-5903016-\$ or US-5719414-\$ or US-5608451-\$ or US-5543868-\$ or US-5394005-\$ or US-6259124-\$ or US-6366365-\$ or US-6363046-\$).did. or (US-20020008767-\$).did. or (EP-932302-\$).did. | USPAT; US-PGPUB; EPO | 2004/06/28 11:45 |
| - | 3 | ((US-6522356-\$ or US-6753912-\$ or US-6654057-\$ or US-6650369-\$ or US-5796481-\$ or US-6707497-\$ or US-6197503-\$ or US-5119183-\$ or US-5519497-\$ or US-4594514-\$ or US-4697280-\$ or US-4080723-\$ or US-4764682-\$ or US-5625210-\$ or US-6097022-\$ or US-5471515-\$ or US-5614744-\$ or US-6002123-\$ or US-6309075-\$ or US-5904493-\$ or US-4602289-\$ or US-6211553-\$ or US-6184945-\$ or US-6242801-\$ or US-6124595-\$ or US-6084669-\$).did. or (US-6069651-\$ or US-6066846-\$ or US-5903016-\$ or US-5719414-\$ or US-5608451-\$ or US-5543868-\$ or US-5394005-\$ or US-6259124-\$ or US-6366365-\$ or US-6363046-\$).did. or (US-20020008767-\$).did. or (EP-932302-\$).did.) and crosstalk | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 11:46 |
| - | 5 | ((US-6522356-\$ or US-6753912-\$ or US-6654057-\$ or US-6650369-\$ or US-5796481-\$ or US-6707497-\$ or US-6197503-\$ or US-5119183-\$ or US-5519497-\$ or US-4594514-\$ or US-4697280-\$ or US-4080723-\$ or US-4764682-\$ or US-5625210-\$ or US-6097022-\$ or US-5471515-\$ or US-5614744-\$ or US-6002123-\$ or US-6309075-\$ or US-5904493-\$ or US-4602289-\$ or US-6211553-\$ or US-6184945-\$ or US-6242801-\$ or US-6124595-\$ or US-6084669-\$).did. or (US-6069651-\$ or US-6066846-\$ or US-5903016-\$ or US-5719414-\$ or US-5608451-\$ or US-5543868-\$ or US-5394005-\$ or US-6259124-\$ or US-6366365-\$ or US-6363046-\$).did. or (US-20020008767-\$).did. or (EP-932302-\$).did.) and MTF | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 11:47 |
| - | 6 | ((US-6522356-\$ or US-6753912-\$ or US-6654057-\$ or US-6650369-\$ or US-5796481-\$ or US-6707497-\$ or US-6197503-\$ or US-5119183-\$ or US-5519497-\$ or US-4594514-\$ or US-4697280-\$ or US-4080723-\$ or US-4764682-\$ or US-5625210-\$ or US-6097022-\$ or US-5471515-\$ or US-5614744-\$ or US-6002123-\$ or US-6309075-\$ or US-5904493-\$ or US-4602289-\$ or US-6211553-\$ or US-6184945-\$ or US-6242801-\$ or US-6124595-\$ or US-6084669-\$).did. or (US-6069651-\$ or US-6066846-\$ or US-5903016-\$ or US-5719414-\$ or US-5608451-\$ or US-5543868-\$ or US-5394005-\$ or US-6259124-\$ or US-6366365-\$ or US-6363046-\$).did. or (US-20020008767-\$).did. or (EP-932302-\$).did.) and crosstalk | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 12:01 |
| - | 10 | ("5434619" "5493423" "5793423" "5898168" "5933190" "5962844" "6097022" "6115066" "6166767" "6344877").PN. | USPAT | 2004/06/28 11:51 |

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| - | 1 | 6002123.pn. | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 12:13 |
| - | 34 | photodiode and reset and transfer and source and crosstalk and fill | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 12:32 |
| - | 1 | "6633334" | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 12:37 |
| - | 16 | ("4835404" "4879470" "4967067" "4972243" "5162912" "5184006" "RE34309" "5262870" "5539196" "5693932" "5714752" "5955753" "6094220" "6160281" "6352869" "6423994").PN. | USPAT | 2004/06/28 12:32 |
| - | 1 | Mendis and cmos and crosstalk and (fill adj factor) | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 12:57 |
| - | 9 | "6002123" | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 12:57 |
| - | 3 | ("5841126" "5898168" "5900623").PN. | USPAT | 2004/06/28 12:59 |
| - | 42 | (US-6522356-\$ or US-6753912-\$ or US-6654057-\$ or US-6650369-\$ or US-5796481-\$ or US-6707497-\$ or US-6197503-\$ or US-5119183-\$ or US-5519497-\$ or US-4594514-\$ or US-4697280-\$ or US-4080723-\$ or US-4764682-\$ or US-5625210-\$ or US-6097022-\$ or US-5471515-\$ or US-5614744-\$ or US-6002123-\$ or US-6309075-\$ or US-5904493-\$ or US-4602289-\$ or US-6211553-\$ or US-6184945-\$ or US-6242801-\$ or US-6124595-\$ or US-6084669-\$).did. or (US-6069651-\$ or US-6066846-\$ or US-5903016-\$ or US-5719414-\$ or US-5608451-\$ or US-5543868-\$ or US-5394005-\$ or US-6259124-\$ or US-6366365-\$ or US-6363046-\$ or US-5962844-\$ or US-5793423-\$ or US-5898168-\$ or US-6633334-\$).did. or (US-20020008767-\$).did. or (EP-932302-\$).did. | USPAT; US-PGPUB; EPO | 2004/06/28 13:54 |
| - | 48 | cmos and micro\$5 and (square near7 photodiode) | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 15:01 |
| - | 5 | ("4677453" "4901129" "5479049" "5705837" "5920092").PN. | USPAT | 2004/06/28 14:47 |
| - | 0 | square adj2(image adj area near4 sensing) | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 14:56 |
| - | 8 | (square adj2 image adj area) and CMOS | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 14:56 |
| - | 38 | cmos and micro\$5 adj len\$3 and hemispher\$7 | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 15:04 |
| - | 29 | cmos and (microlen\$3 and hemispher\$7) | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 15:09 |
| - | 71 | ("3234394" "3723805" "4125862" "4152724" "4191967" "4204230" "4240727" "4463380" "4518898" "4549208" "4554585" "4574311" "4602289" "4661855" "4670648" "4683498" "4720746" "4728839" "4736436" "4740839" "4751660" "4752831" "4757384" "4772942" "4797562" "4797942" "4807158" "4819070" "4835532" "4837429" "4843475" "4858002" "4858014" "4858149" "4877959" "4882478" "4893025" "4899293" "4918473" "4924094" "4928174" "4942473" "4945367" "4965844" "4991020" "5005083" "5019912" "5020114" "5023725" "5043817" "5048102" "5057923" "5067019" "5068735" "5077609" "5107122" "5140395" "5173948" "5175808" "5185667" "5200818" "5231673" "5243433" "5276519" "5276521" "5313306" "5359363" "5396583" "5428390" "5489940" "5905530").PN. | USPAT | 2004/06/28 15:07 |

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|---|------|--|---------------------------------|------------------|
| - | 84 | microlen\$3 near7 fill | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 15:29 |
| - | 18 | (microlen\$3 near7 fill) and hemispher\$7 | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 15:35 |
| - | 15 | ((micro adj len\$3) near7 fill) and hemispher\$7 | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 15:40 |
| - | 172 | ((micro adj len\$3)) and hemispher\$7 | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 16:05 |
| - | 2 | "5595930" and hemispher\$7 | USPAT; US-PGPUB; EPO; JPO | 2004/06/28 16:05 |
| - | 5260 | (cross adj talk) and optim\$5 | USPAT | 2004/06/28 16:48 |
| - | 164 | (cross adj talk) near7 optim\$5 | USPAT | 2004/06/28 17:04 |
| - | 25 | (cross adj talk) near7 optim\$5 and sensor\$2 | USPAT | 2004/06/28 17:04 |
| - | 4 | ("5043582" "5619033" "6054746" "6288435").PN. | USPAT | 2004/06/28 17:06 |
| - | 14 | ("4670765" "4672454" "4675739" "4785186" "5017989" "5079426" "5117114" "5164809" "5235195" "5319206" "5381014" "5396072" "5420452" "5516712").PN. | USPAT | 2004/06/28 17:11 |
| - | 5 | (square near3 active) same photodiode | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 06:58 |
| - | 13 | (square near3 (active adj sensing)) and photodiode | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 07:02 |
| - | 0 | (square near3 (active adj sensing)) and photodiode | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 07:02 |
| - | 4 | (square near3 (image adj sensing)) and photodiode | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 07:25 |
| - | 293 | fossum and square | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 07:25 |
| - | 160 | fossum and square and cmos | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 07:28 |
| - | 60 | photodiode and (floating adj node) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 08:15 |
| - | 17 | ("5012344" "5471515" "5587596" "5608243" "5625210" "5631704" "5698844" "5721425" "5760458" "5786623" "5789774" "5838650" "5847422" "5872371" "6150704" "6184516" "6466266").PN. | USPAT | 2004/06/29 07:59 |
| - | 17 | (photodiode or (photo adj diode)) and (floating adj node) and square | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 08:45 |
| - | 16 | (photodiode or (photo adj diode)) and (floating adj node) and square and transfer | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 09:08 |
| - | 189 | pinned adj photodiode | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 09:29 |
| - | 148 | "5625210" | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 09:11 |
| - | 51 | (pinned adj photodiode) and square | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 10:59 |
| - | 3 | ("4282535" "5847836" "5956051").PN. | USPAT | 2004/06/29 09:49 |

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|---|--------|---|---------------------------------|------------------|
| - | 29 | "5986297" and cross\$5 | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 11:17 |
| - | 1 | "6633334" and cross\$5 | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 12:37 |
| - | 410 | pixel and reduce near2 distance | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 12:38 |
| - | 410 | pixel and (reduce near2 distance) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 12:38 |
| - | 200 | pixel and (reduce near2 distance near2 between) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 12:39 |
| - | 32 | pixel SAME (reduce near2 distance near2 between) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 12:42 |
| - | 432 | pixel SAME (increase near2 density) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:23 |
| - | 72 | pixel SAME (increase near2 density) and (mos cmos) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:24 |
| - | 899 | pixel SAME (distance same image) and (mos cmos) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:24 |
| - | 599 | pixel SAME (distance WITH (image imaging)) and (mos cmos) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:25 |
| - | 34 | pixel SAME (distance WITH (image imaging)) same (reduce decrease) and (mos cmos) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:35 |
| - | 390 | square near2 (photodiode (photo adj sensitive) photosensitive) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:39 |
| - | 39 | square near2 (photodiode (photo adj sensitive) photosensitive) with area | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:43 |
| - | 2813 | fill adj factor | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:43 |
| - | 449 | (fill adj factor) and photodiode | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:46 |
| - | 520051 | distance adj between (image adj sensing) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:47 |
| - | 27 | distance adj between adj (image adj sensing) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:49 |
| - | 483 | distance adj between adj (photosensitive) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:49 |
| - | 23 | (distance adj between adj (photosensitive)) and (photodiode photogate) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:53 |
| - | 11544 | resolution and (photodiode photogate) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:54 |
| - | 212 | increased adj resolution and (photodiode photogate) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:56 |

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| - | 119 | increased adj resolution and (photodiode photogate) and (square rectang\$4) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:56 |
| - | 18 | increased adj resolution and (photodiode photogate) SAME (square rectang\$4) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 17:10 |
| - | 5126 | (increas\$3 decreas\$3) and (photodiode photogate photosensitive) SAME (square rectang\$4) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 17:11 |
| - | 220 | (increas\$3 decreas\$3) WITH (photodiode photogate photosensitive) SAME (square rectang\$4) | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 17:11 |
| - | 15 | (increas\$3 decreas\$3) WITH (photodiode photogate photosensitive) SAME (square rectang\$4) with pixel | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 17:18 |
| - | 7 | (increas\$3 decreas\$3) WITH (square rectang\$4) with pixel adj density | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 17:18 |
| - | 355 | distance adj between adj pixels | USPAT | 2004/06/30 07:38 |
| - | 0 | reduce near2 distance adj between adj pixels | USPAT | 2004/06/30 07:39 |
| - | 1 | reduces near2 distance adj between adj pixels | USPAT | 2004/06/30 07:40 |
| - | 5 | reduce\$2 near2 (distance adj between adj pixels) | USPAT | 2004/06/30 07:42 |
| - | 541 | 257/\$.ccls. and (reduce\$2 near2 (distance adj between)) | USPAT | 2004/06/30 07:43 |
| - | 2 | 257/\$.ccls. and (reduce\$2 near2 (distance adj between) with (pixels sensing)) | USPAT | 2004/06/30 07:47 |
| - | 573 | 257/\$.ccls. and (optimize\$2 with (distance spac\$4)) | USPAT | 2004/06/30 07:48 |
| - | 148 | 257/\$.ccls. and (optimize\$2 near2 (distance spac\$4)) | USPAT | 2004/06/30 07:49 |
| - | 12 | 257/\$.ccls. and (optimize\$2 near2 (distance spac\$4)) and (crosstalk cross-talk) | USPAT | 2004/06/30 08:01 |
| - | 2657 | 257/\$.ccls. and (crosstalk cross-talk) | USPAT | 2004/06/30 08:01 |
| - | 90 | (257/\$.ccls. 348/\$.ccls.) and ((crosstalk cross-talk) same (photosensor sensing)) | USPAT | 2004/06/30 09:32 |
| - | 49 | (257/\$.ccls. 348/\$.ccls.) and ((crosstalk cross-talk) same (photosensor sensing)) and (distance proximity) | USPAT | 2004/06/30 09:44 |
| - | 7 | ("4667092" "5032718" "5311337" "5535028" "5744826" "5759078" "5818052").PN. | USPAT | 2004/06/30 09:38 |
| - | 113 | pixel adj (geometry) | USPAT | 2004/06/30 14:33 |
| - | 16 | (pixel adj (geometry)) and (fill adj factor) | USPAT | 2004/06/30 10:26 |
| - | 11 | "5595930" | USPAT | 2004/06/30 10:29 |
| - | 34 | "5904493" | USPAT | 2004/06/30 10:29 |
| - | 1 | 5904493.pn. | USPAT | 2004/06/30 13:56 |
| - | 48 | guidash and kodak | USPAT | 2004/06/30 13:56 |
| - | 2 | guidash and kodak and MTF | USPAT | 2004/06/30 14:51 |
| - | 47 | crosstalk and pixel and MTF | USPAT | 2004/06/30 14:33 |
| - | 81 | crosstalk and pixel and MTF | USPAT; US-PGPUB; EPO; JPO | 2004/06/30 14:53 |
| - | 3 | guidash and kodak and MTF | USPAT; US-PGPUB; EPO; JPO | 2004/06/30 14:51 |
| - | 18 | crosstalk SAME ((image adj sens\$4) (photosens\$4)) SAME MTF | USPAT; US-PGPUB; EPO; JPO | 2004/06/30 14:57 |
| - | 390 | ((image adj sens\$4) (photosens\$4)) SAME MTF | USPAT; US-PGPUB; EPO; JPO | 2004/06/30 14:58 |
| - | 19 | ("4373167" "4467341" "4696021" "4928158" "4958207" "4977584" "5028970" "5235197" "5479049" "5493143" "5631704" "5739548" "5789774" "5841158" "5867215" "5880495" "5892253" "5977576" "5986297").PN. | USPAT | 2004/06/30 15:10 |
| - | 21 | 5986297.URPN. | USPAT | 2004/06/30 15:11 |
| - | 1 | 5986297.URPN. and (MTF crosstalk) | USPAT | 2004/07/06 16:41 |

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|---|----|--|---------------------------------|------------------|
| - | 2 | "6492848" | USPAT; US-PGPUB; EPO; JPO | 2004/06/30 16:17 |
| - | 20 | 5986297.URPN. and (MTF crosstalk cmos) | USPAT | 2004/07/06 16:41 |
| - | 1 | 5986297.PN. and (MTF crosstalk cmos) | USPAT | 2004/07/07 07:56 |
| - | 1 | 6633334.PN. and (MTF crosstalk cmos) | USPAT | 2004/07/07 07:44 |
| - | 0 | 6633334.PN. and (lens\$3) | USPAT | 2004/07/07 07:44 |
| - | 0 | 6633334.PN. and (micro\$6) | USPAT | 2004/07/07 11:09 |
| - | 1 | 5986297.PN. and (array) | USPAT | 2004/07/07 07:56 |
| - | 0 | 6633334.PN. and (active) | USPAT | 2004/07/07 08:14 |
| - | 1 | 6633334.PN. and (active) | USPAT | 2004/07/07 08:15 |